SI. No.	Name of Chemical Pesticides
238	Zinophos
239	Ziram
240	O, O-Dimethyl-s-Ethylmercaptoethylhnethyl-thiophosphate
241	l,2,2,Terachloroethane
242	1,2-Dihromo-3-Chloropropane (DBCP)
243	2-Methoxyethyimercury chloride (M EMC)
244	2-Thiohydantoin
245	2,3,4,5-Teteachlorophenol
246	2,3,4,6-Tetrachlorophenol
247	2,3,5,6-Tetrachlorophenol
248	2,4-Dinitrophenol
249	2,4-DB
250	2,4-DP
251	2,4,5-T
252	2,4,5-Trichlorophenol.

Effect of Chemical Fertilizers on Soil Structures

1559. SHRI SOM PAL : Will the Minister of AGRICULTURE be pleased to state :

(a) whether it is a fact that chemical ferti lizers are affecting our soil structures & soil organisms adversely ;

(b) whether it is also a fact that several micro-nutrients in our soil are depleting due to over exploitation, moaoculturing of a few crops and over use of fertilizers ;

(e) if so, what are the Detalits thereof and what is being done to tackle these problems ; and

(d) if not, the reasons therefor ?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI ARVIND NEIAM) : (a) There are no re-ports of chemical fertilizers adversedy attacting soil structure and soil organisms.

(b) Micro-nutrient deficiencies may crors cue to their inadequate presenec is acvils Inclusive use of high chengxal fertilizers which contain ooly N.PK.. and may also result in micro-nutrient dafeicncits in intensively cultivated soils.

(c) and (d) The statement *at* micro-nutrient evey conducted by ICAR indicating the sumoer of soil samples analysed and the percent sample found nan-standard is enclosed *(See below)*

Apart from recommending the use of micro-Rutrient fertilizers, integrated use of onganic Manures and chemical fertihzereis advocated. Organic manures also supply aaero-aitttients ; and help in building soil structure and soil micro-flora.

Statement

MICRO-NOTRIEST SURVEY BY ICAR Extent of Micranutrient-deficiencies in different States

State	Zinc		Copper		Maganese	Iron			Boron	
	(l)	(2)	(1)	(2)	0)	(2)	(1)	(2)	(1)	(2)
1 Andhra Pradesh .	. 4845	53	?6&3	0	3637	1 3596	1			
2 Bihar .	. 10277	45	10476	2	9228	1 9462	4		1487	38
3 Gujarat	. 26016	24	25943	5	25971	1 24576	8		1991	2
4 Haryana	. 19508	64	18274	3	17944	4 17844	25			
5 Madhya Pradesh .	. 10382	65	9641	1	9636	3 9581	3			
6 Punjab	. 13261	50	13261	1	13261	2 13261	13			
7 Tamil Nadu	. 12478	43	11447	21	11709	8 12071	15			
8 A. P. .	. 8754	64	8057	1	8135	3 8636	8			
9 Karnataka	. 2318	25	2318	9	2318	1 2318	2			

NOTE : (1)—No. of samples analysed. (2)—Examples found deficient. 95-M/P(D)17RSS—6